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PRESIDENT'S OFFICE
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The Connecticut Agricultural College

Short Winter Courses

1911

Dairy Husbandry - -	January 3 to February 10
Poultry Husbandry -	February 14 to March 24
Horticulture - - -	February 14 to March 24

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Connecticut Agricultural College 1911

THE CONNECTICUT AGRICULTURAL COLLEGE

Storrs, Connecticut

I.—Two year academic course. Open to those who have had a common school education.

II.—Three-year courses in agriculture, mechanic arts, and home economics. Open to those who have taken the two academic years, or who have completed two or more years of high school work.

III.—One year of post graduate work in agriculture for those who have completed the three-year course in agriculture B. S. degree.

IV.—Short winter courses in dairy husbandry, poultry husbandry, and horticulture.

V.—Summer school of agriculture, nature study, and home economics.

Anyone interested in the above mentioned courses is invited to send for a catalog giving complete information.

CHARLES L. BEACH, President

Storrs, Conn.

General Announcement

Short Winter Courses

Three short winter courses will be given in 1911 as follows:

Dairy Husbandry, January 3 to February 10.

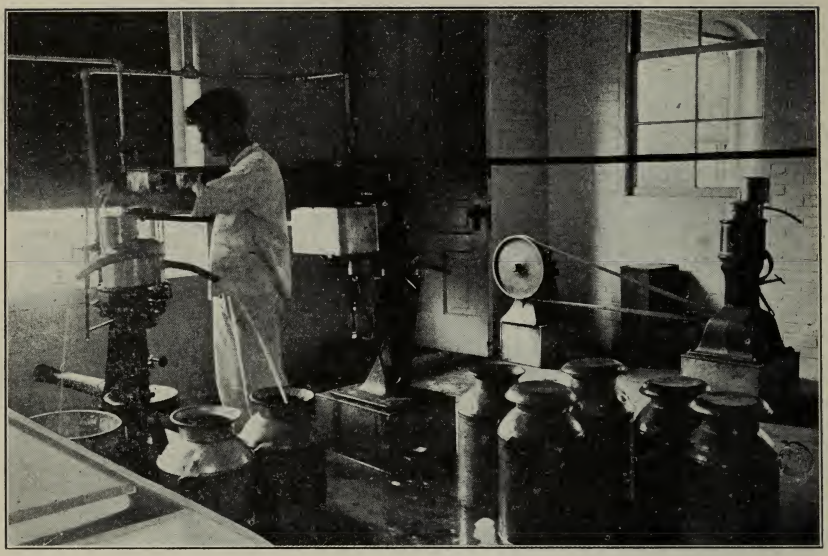
Poultry Husbandry, February 14 to March 24.

Horticulture, February 14 to March 24.

The above short courses are designed to meet the needs of those who have not the scholastic preparation for admission to regular courses or who for other reasons find entrance to them impossible.

These courses are open to young men and young women without examination, and are designed to give the largest possible amount of practical information in the shortest time. Details of instruction are outlined on the following pages.

The large enrolment in the long courses will make it necessary to restrict registration in the short courses on account of lack of accommodations in the dormitories and dining hall. No more young women can be taken at Grove Cottage. Registration will be accepted in order of application. Address all communications to Connecticut Agricultural College, Storrs, Conn.



SEPARATOR ROOM

FARM DAIRY ROOM

Dairy Husbandry

JANUARY 3 TO FEBRUARY 10

The work in dairying is arranged to give as much information as possible to the men who expect to engage in the business of dairy farming, either for themselves or as farm managers. The following is a brief outline of the lecture courses and practicums:

1. Animal Breeding, 18 lectures—A study of the principles of breeding, including variation, correlation, heredity, prepotency. Special attention is given to systems of breeding designed to improve the dairy herd. The value of grading, line-breeding, in-and-in breeding, and crossing are very carefully studied.

PROFESSOR TRUEMAN.

2.. Breeds of Dairy Cattle, 12 lectures—A study of the origin, history, development, and characteristics of the leading dairy breeds; methods of making test for advanced registry; judging cattle by the score card, and without; methods and score cards used in official work by the various cattle associations and clubs. Writing pedigrees.

MR. FITTS.

3. Feeds and Feeding, 24 lectures—A study of the different cattle foods, including forage and grain raised on Connecticut farms, as well as concentrated feeds bought to supplement the home-grown. The compounding of rations suited to the various requirements of farm stock. The care and feeding of farm animals.

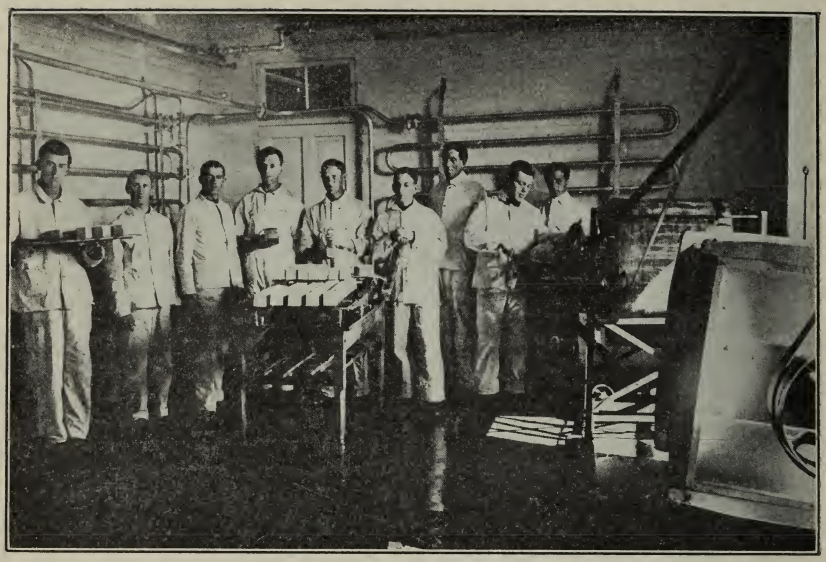
PROFESSOR TRUEMAN.

4. Testing Milk and Its Products, 12 lectures—A study of the composition and characteristics of milk. Testing milk with the lactometer and Babcock test. Determination of specific gravity, fat, total solids, adulteration, preservatives, and acidity. The making of butter and certain forms of soft cheese, Cottage and Neufchatel.

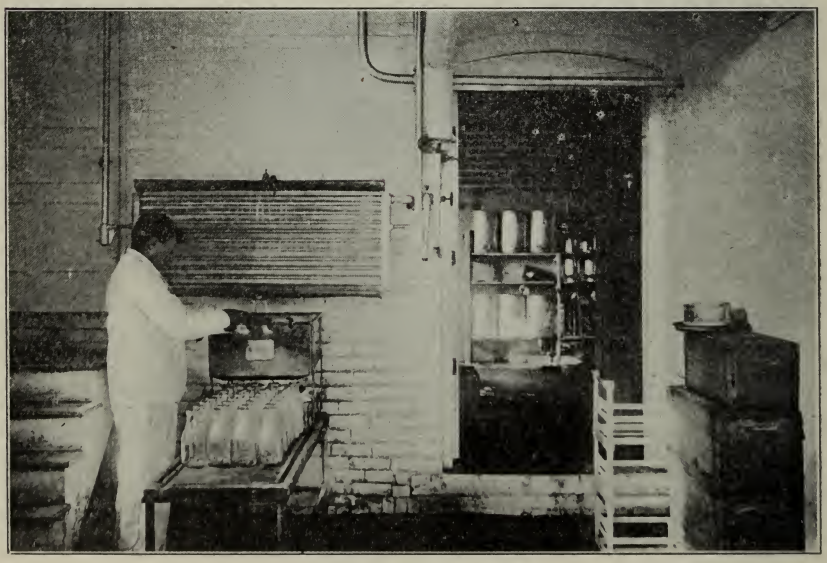
PROFESSOR TRUEMAN and MR. FITTS.

5. Ice Cream Making, 6 lectures—Method of preparing mixtures for different kinds of ice cream, proportion of cream, milk, flavoring, and sweetening; methods of freezing and packing, and delivering to the trade.

MR. FITTS.



BUTTER MAKING



DAIRY BOTTLING ROOM

6. Dairy Herd Management, 12 lectures—A study of the financial conditions of the dairy business in Connecticut, and of the best methods of managing a herd in order to produce satisfactory results. A careful study of farm buildings, their construction, size, convenience, and sanitary features.

PROFESSOR TRUEMAN.

7. Soils and Fertilizers, 12 lectures—Soil management for the economic production of various crops. The care and use of farm manures. The use of commercial fertilizers.

PROFESSOR CLINTON.

8. Farm Crops, 12 lectures—The growth of such crops as corn, clover, alfalfa, and various forage crops will be discussed. The management of meadows and pastures, including the seeding of grass lands.

PROFESSOR CLINTON.

9. Diseases of the Dairy Cow, 10 lectures—A general study of the more common ailments of the dairy cow, with treatment that may be safely used by the herdsman.

DOCTOR DOW.

Laboratory Work—Practice will be given in milk testing, operation of separators (hand and power sizes), ripening cream, churning, salting and packing butters, judging dairy cattle in different ways, and of different breeds. Instruction and practice will be given in making and freezing ice cream, in firing boilers, and in the care and operation of engines.

AUTOMATIC FEEDER.

POULTRY HOUSE CONSTRUCTION.

Poultry Husbandry

FEBRUARY 14 TO MARCH 24

For those who desire to gain a knowledge of the broad general principles underlying the poultry industry, and of the modern methods of conducting operations upon a poultry farm, a special course of poultry husbandry is offered.

Instruction is divided between class-room and practical work, and teaches practically every phase of the industry. In addition to the members of the college faculty, leading experts in the poultry industry are secured to lecture before the class.

7. **Soils and Fertilizers.**—See page 7.

8. **Farm Crops.**—See page 7.

10. **Horticulture, 24 lectures**—Principles of fruit growing and gardening. Varieties, production, pests and enemies, spraying, packing and marketing. Lectures and demonstrations.

MR. STEVENS.

11. **Economic Zoology, 12 lectures**—A brief review of the animal kingdom, with special attention to anatomy of fowls, insect enemies, parasites, embryology.

PROFESSOR LAMSON.

12. **Principles of Feeding, 6 lectures**—The composition of feeds and the balancing of rations.

PROFESSOR TRUEMAN.

13. **Principles of Breeding, 6 lectures**—A brief study of variation, correlation, heredity, and systems of breeding.

PROFESSOR TRUEMAN.

14. **Animal Husbandry, 2 lectures**—Sheep, swine and beef cattle in New England.

MR. GARRIGUS.

15. **Cement Construction, 2 lectures**—Tools, materials, and their use.

PROFESSOR WHEELER.

16. **Poultry Husbandry, 74 general lectures**—The Poultry Industry: Advantages and disadvantages, relation to other industries, opportunities. The Poultry Farm: Soil, aspect, markets, roads, transportation. The Poultry Plant: Buildings for all purposes, furnishings, appliances, water systems. Incubating and Brooding: Natural and artificial. The sitting

INCUBATOR CELLAR

EXPERIMENTAL BROODERS

hen, coops, management. Incubators and brooders, construction, operation. Poultry Feeding: Feeding for growth, flesh, egg production; rations and methods of feeding. Breeds: History, characteristics, mating, breeding. Show Birds: Selection, preparation. Poultry Farm Management: Systems, details of practical management. Marketing: Dressing, grading, packing. Water Fowl. Turkeys. Pigeons: Varieties, housing, feeding, general care, marketing.

PROFESSOR STONEBURN.

Special Poultry Lectures—During the course several lectures will be given by non-resident lecturers. In the 1910 Summer School Course there were several addresses and demonstrations by D. J. Lambert, Kingston, R. I., on "Judging and Scoring;" Geo. W. Cosgrove, Willington, Conn., on "A Living from Poultry;" W. P. Gray, New Canaan, Conn., on "Market Squab Production;" C. M. Gallup, Waterville, Maine, on "Market Poultry and Caponizing;" Prof. Foley, Edmonton, Alberta, Canada, on "Government Poultry Work in the Northwest Provinces;" J. I. Brown, Montreal, on "Co-operation in Marketing Poultry Products;" Prof. F. C. Elford, Macdonald College, Que., on "Poultry Farming;" W. H. Card, Manchester, Conn., on "Breeds and Types of Poultry" and "Business Methods;" Prof. H. W. Jackson, State College, Pa., on "Poultry Feeding;" Dr. L. F. Rettger, New Haven, Conn., on "Bacterial Diseases of Poultry."

Poultry Practice—Each student is expected to do as much practical work as his time permits, including feeding and care of breeding stock, operation of incubators and brooders, caponizing and dressing, construction of portable poultry houses and various appliances, judging and scoring. If desired, arrangements will be made for observation trips to successful poultry plants in the vicinity of the College.

CLASS IN GREENHOUSE WORK.

INTERIOR OF GREENHOUSE.

Horticulture

FEBRUARY 14 TO MARCH 24

The instruction offered in the short course in Horticulture may be grouped under seven general heads,—Pomology, Spraying, Vegetable Growing, Economic Entomology, Landscape Gardening, Forestry, and Agronomy.

17. Pomology, 20 lectures—Plant propagation and nursery work, planting and managing of orchards, vineyards, and small fruits; harvesting and marketing fruits, tillage and special needs of important fruits.

PROFESSOR GULLEY.

18. Fungous Diseases and Spraying, 10 lectures—A study of plant diseases, how recognized and desseminated; fungicides and insecticides in use, sources, how prepared, methods of use and in general the principles involved in the use of these materials.

PROFESSOR GULLEY.

19. Vegetable Growing, 15 lectures—Lectures on vegetable growing, soils, hot-beds, forcing, marketing, and storing.

MR. STEVENS.

20. Classification and Structure of Insects, 10 lectures—A study of the elements of the structure and classification of insects for the purpose of giving the horticulturist a knowledge of how to identify and control his insect enemies.

PROFESSOR LAMSON.

21. Landscape Gardening, 10 lectures—Laying out of grounds, planting and grouping of trees and shrubs, treatment of walks and drives, flowers and bedding plants, special attcntion being given to the requirements of country and home grounds.

PROFESSOR GULLEY.

22. Forestry, 10 lectures—The course is intended to give students an idea of practical forestry in Connecticut and to teach them the species of trees of commercial importance in the State, the products obtained from them and their values. Considerable attention is given to measuring felled trees, estimating standing timber, forest planting, and protection of forests against fires and other enemies.

DR. SPRING and PROFESSOR BLAKESLEE.

7. Soils and Fertilizers—See page 7.

Expenses

Fees—The College gives free tuition and free rent of rooms to residents of Connecticut. Non-resident students will be charged a tuition fee of $10.00, payable in advance. A registration and incidental fee of $5.00 is required of all students and should accompany the application.

Table **board** at the College will be furnished at cost, about $4 a week.

All students pay a **heating** charge during the winter term of 75 cents a week.

No charge will be made for room-rent. The College, however, will not care for the rooms, each student being required to keep his own quarters in good order.

The college will provide necessary furniture to the extent of a bedstead with spring, mattress, bureau, washstand, table and chair. Students will be left to provide other articles which may be desired for comfort and convenience, such as a pillow, pillow case, sheets, blankets, towels, and a mirror. Certain necessary articles, such as lamps, may be had at a neighboring store for a reasonable rental.

Board and furnished rooms may be secured for a few, within a mile and a half of the College, for $6 a week each.

Books, stationery, and other supplies, which students may desire to purchase, will be furnished at cost.

College property marred, broken, or lost will, of course, be charged to those at fault.

Deposits

Students who intend to spend four weeks or more at the College are required to deposit $25 on the date of registration, besides paying the fees mentioned above.

Bills are payable monthly, or on presentation.

Deposits may be applied to the payment of the last bills rendered, and any balances remaining will be refunded.

The Connecticut Agricultural College

is located at Storrs, eight miles from Willimantic, and three miles from Eagleville, a station on the Central Vermont Railway.

If you mean to come to Eagleville, send notice several days in advance in order that a College team may meet you and deliver your baggage promptly.

Check all baggage and send all freight and express to Eagleville. Tag with your name and destination all trunks, bags, or boxes, using special tags furnished by the College.

Those intending to take advantage of the Winter School are requested to make application at their earliest convenience, to facilitate preliminary arrangements at the College.

Call at the Chief Clerk's Office upon your arrival at the College, to register and make your deposit, and to secure a room-key.

Application Blank

1. Name .....

2. Date of birth .....

3. Residence .....

*4. Name of parent or guardian .....

*5. Address of parent or guardian .....

6. Course or courses you expect to pursue .....

*Required only of minors.

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